

Patent Application of Y. Tsukamura for
“Multi-Mode Token” continued
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CLAIMS

1. In a user device which communicates with system terminals on behalf of its owner and has authentication means for user logon, the improvement wherein said token has at least one mode in which a user is exempt from said logon for a predefined period, and includes functions to obtain the present date and/or time from said terminal in order to check for expiration based on said predefined period, whereby said user can adjust the required logon frequency depending on the security level desired for token operations.
2. In a user device which communicates with system terminals on behalf of its owner and has authentication means for user logon, the improvement wherein said token has at least one mode in which a user is exempt from said logon for a predefined number of a specified operation, and includes a counter in order to count said number of said specified operation, whereby said user can adjust the required logon frequency depending on the security level desired for token operations.
3. A digital communication system comprising:
 - (a) providing at least one system terminal,
 - (b) providing at least one user token which has authentication means for user logon,
 - (c) said system terminal requesting certain operations from said user token and providing the information of the present date and/or time,
 - (d) said user token performing said operations on behalf of said user after said user logon,
 - (e) said user token having at least one mode in which user is exempt from said logon for a predefined period and having functions to obtain said information of the present date and/or time from said terminal and check for expiration

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using said information of the present date and/or time and the latest logon date and/or time stored.

4. A digital communication system comprising:
 - (a) providing at least one system terminal,
 - (b) providing at least one user token which has authentication means for user logon,
 - (c) said system terminal requesting certain operations from said user token,
 - (d) said user token performing said operations on behalf of said user after said user logon,
 - (e) said user token having at least one mode in which said user is exempt from said logon for a predefined number of said specified operations and having a counter and checking said predefined number of specified operation by said counter.